The SWAN Forum

• The Smart Water Networks Forum (SWAN) is the leading hub for the smart water and wastewater sectors

• A UK-based non-profit, SWAN brings together key players in the water sector to accelerate the awareness and adoption of data-driven technologies in water and wastewater networks worldwide
The Smart Water Hub
We are at the Tipping Point of Smart Water Adoption

Adoption Profile

- Innovators: 2.5%
- Early Adopters: 13.5%
- Early Majority: 34%
- Late Majority: 34%
- Late Mass: 16%

The Theory of Diffusion of Innovation. Sources: Rogers, Everett and Gladwell, Malcom.
SWAN’s Goals
Build Educational Awareness

**SWAN infographic:** “Smart v. Traditional Urban Water Resources Management”

**Publications:** Journal AWWA, Australian Water Management Review, Journal Water & Sewerage

**Animated clips:** “The Customer Benefits of Smart Water Networks” in English and Spanish
Share Member Knowledge

WASTEWATER NETWORK MANAGEMENT

Leak Detection Case Studies

Transmission Main Leak Detection in New Jersey (Echologics)
Click Here

Successful Acoustic Monitoring in the UK (Syrinix)
Click Here

Permanent Leakage Monitoring Benefits in Germany (Gutermann)
Click Here

Installing Flow Meters in Asia (ISOIL)
Click Here

Water Savings in Abu Dhabi (Schneider Electric)
Click Here

Drying Up Water Leaks in Halifax (OSIsoft)
Click Here

(SWAN Interactive Tool, Wastewater Network Management Solution)  (SWAN Research Portal, Leak Detection)
Produce Cutting-Edge Research

White Paper: The Social Layer of the Smart Water Journey

Report: Data-Driven Solutions to U.S. Wastewater Challenges

White Paper: Benchmarking Quality of Service

White Paper: Communication in Smart Water Networks

Industry Survey: Big Data & Urban Sewershed Management`

SWAN Global Utility Survey
Accelerate the Industry

New SWAN Digital Twin H2O Work Group
SWAN Americas Alliance

• **Goal:** To accelerate smart water/wastewater development in North and South America through the SWAN Forum’s collective, global industry expertise

• **Why SWAN Americas?**
  • This region’s utilities are very quickly becoming leaders in Smart Water
  • Tailored workshops, specialized webinars, and a central source for smart water information
  • Collaborate with fellow regional utilities and solution providers
  • Only available for SWAN Members

**Join and learn more:**
SWAN Americas Alliance Partners
SWAN Americas Alliance – 1st Year Accomplishments

- **1st Webinar** on “Promoting a Data-Enabled Smart Water Future” on Nov. 1st
- **Water Readiness Guide**: Policy recs. for new administration to create a resilient water future on Nov. 2016
- **1st Alliance Workshop** with Cleantech San Diego, attracting over 200 participants on Jan. 2017
- **SWAN Research Portal**: A repository of smart water resources on March 2017
- **2nd Webinar** on “Boosting Smart Water Policy” on June 8th on June 2017
- **3rd Webinar** on “Delivering Smart Water Solutions in Wastewater Networks” on Sept. 20th on Sept. 2017

**Added strategic partners**: Alliance for Water Efficiency, Cleantech San Diego, Current, Global Water Technologies, Global Water Works, IoT Impact Labs, Isle, NACWA, Smart Cities Council, WRF, WE&RF and WEF
SWAN Americas Alliance – 2nd Year Accomplishments

**Nov. 2017**
- **2nd Alliance Workshop** at Uptake in Chicago focused on digital solutions to Midwest water challenges

**March 2018**
- **4th Webinar** on “Cyber Security Threats and Opportunities” on March 27th

**August 2018**
- **5th Webinar** on “Smart Wastewater Solutions: Addressing Stormwater Challenges” on Aug. 5th

**Oct. 2018**
- **6th Webinar** on “Uncovering Canada’s Smart Water Solutions” on Oct. 22nd

**Nov. 2018**
- **3rd Alliance Workshop** at the CWWA Annual Conference in Montreal on Nov. 4th

**Added strategic partners:** Alliance to Save Energy, Cleveland Water Alliance, H2OTECH, Resilient Utility Coalition, Water Online
SWAN Americas Alliance – 3rd Year Accomplishments

May 2019

9th Annual Conference, “Navigating the Smart Water Journey: from Leadership to Results” in Miami,

June 2019

7th Webinar on “The LATAM Smart Water Journey: Three Innovative Case Studies” on June 19th

Sept. 2019

8th Webinar on “Machine Learning & AI: Enhancing Water Asset Management” on Sept. 17th

Added strategic partner: AWWA
SWAN partnered with Water Online to publish an e-Book of thought leadership inspired by SWAN’s 9th Annual Conference.

The 60-page report offers 14 unique insights, informed by the excellent participation and collaboration exhibited at the Conference.

SWAN Forum members received a FREE copy of the report ($499 value)
SWAN Asia-Pacific Alliance
SWAN APAC Alliance Lead Partners
SWAN APAC Alliance – 1st Year Accomplishments

May 2018

1st Webinar feat. PUB, Watercare, and Unitywater

July 2018

Smart Water Forum at SIWW focusing on “Smart and Digital Transformation for Water Utilities”

Nov. 2018

2nd Webinar feat. QUU, Sydney Water, and Coliban Water

July 2019

1st Workshop hosted by Unitywater in Noosa Heads, Australia

August 2019

3rd Webinar feat. Maynilad, Ranhill Water Services and Jalur Cahaya Sdn Bhd
SWAN European Utility Alliance Partners
SWAN Digital Twin H2O Work Group

• **Goal:** to accelerate the water sector’s adoption of Digital Twin technology by bringing together global water leaders to help identify and solve relevant utility challenges
  - 1st Workshop in May 2019
  - 2nd Workshop on Nov. 6 2019

**Active Members:** Aquainformatics, AVEVA, Brown & Caldwell, DHI Group, Esri, GlobalWaterWorks, Innovyze, Jacobs, Karmous-Edwards Consulting, North Carolina State University, Taragona, Vandcenter, EmNet, a Xylem brand, Evoqua, GO-Aigua, inCTRL Solutions, KWR, Olea Edge Analytics, OSisoft, UW Milwaukee, Watercare

[Learn more](https://www.swan-forum.com/digital-twin-h2o-work-group/)
Upcoming Events
Join Us for the Leading, Global Smart Water Event of 2020!

Now in its celebratory 10th year, the SWAN Conference will again unite global utilities, prominent solution providers, researchers, consultants, investors & academics to further accelerate the smart water sector

Proudly collaborating with Scottish Water as our “Lead Utility Partner"
SAVE THE DATE

AWWA | SWAN

INTERNATIONAL SMART WATER SYMPOSIUM

NOVEMBER 10–11, 2020
AUSTIN, TEXAS
Join SWAN Today
Global SWAN Membership Benefits

SWAN Members receive access to:

• Cutting-edge **SWAN research** reports and industry tools

• **1-4 free passes** to the SWAN Annual Conference

• Chance to become a **Lead Partner** in a SWAN regional Alliance (Americas, Asia-Pacific, European Utility, and India) shaping the future of water and wastewater networks worldwide

• **Networking** opportunities within SWAN’s global community and the ability to promote your own research and insights

• **Discounts** to leading global industry events and insider reports

Join and learn more: www.swan-forum.com/join